



기술사항

- 제어용 케이블, 특수 PVC
DIN VDE 0245,0281 part 13 규격
- 온도범위
이송시 -5°C ~ 80°C
고정 설치시 -30°C ~ 80°C
- 정격전압 U_0/U 300/500V
- 시험전압
core/core = 4000V
core/screen = 2000V
- 절연파괴전압 최소 8000V
- 절연저항
최소 20 MOhm x km
- 상호 정전용량
0.5mm²~2.5mm²의 단면적에 준하여
core/core 150nF/km
core/screen 270nF/km
- 결합저항 최대 250 Ohm/km
- 최소 곡률 반경
이송시 10 x cable ϕ
고정 설치시 5 x cable ϕ
- 내 방사선 성능
up to 80 x 10⁸ cJ/kg(up to 80Mrad)

케이블 구조

- 미세나동 집합 연선투체, DIN VDE 0295
cl.5,BS 6360 cl.5와 IEC 60228 cl.5 규격
- 특수 PVC Z7225 코아 절연체
- 흑색 코아 피복에 백색 연속번호
DIN VDE 0293 규격
- 황-녹색 접지선
- 코아 최적 피치로 코아 적층 연선
- 코아 포일 랩
- 주석도금 구리 편조 실드,
실드율 약 85%
- 특수 PVC 외부 슈스, 회색
TM2, DIN VDE 0281 part 1 및
HD21.1 규격

특징

- 내유성, 내화학성 탁월
Technical Information table 참조
- 자체 소화성 및 난연성 PVC, DIN VDE 0482
part 265-2-1 / EN 50265-2-1 / IEC
60332-1(DIN VDE 0472 part 804 검사법 B
적용)
- 사용 재질은 카드뮴, 실리콘등이 없는 무독성
소재로 락커의 습윤(濕潤)특성을 저해하는 물질
없음

용도

- 공작기계류와 기계 산업의 제어회로에 사용하는 데이터 케이블로, 컴퓨터 시스템과 전자분야에는 신호용 케이블로 적합함.
- 본 케이블은 안정 포일 격리층을 두어 외경과 구부림 반경의 최소화 및 경량화 등을 실현하여 내부 슈스 PVC를 대체함, 높은 구리 실드율은 무잡음 신호전송 등을 보장함.
- 고밀도 실드로 신호를 잡음 없이 전송 가능.
- 위 각 용도에 맞는 가장 이상적인 제어용 케이블
- EMC = 전자기 간섭 차단성
주의 : EMC의 특성을 극대화하기 위해 양 끝단에서 구리 실드선을 한바퀴 넓게 감아서 접속할 것.
- CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG

Part No.	No. cores x cross-sec. mm ²	Outer ϕ ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm ²	Outer ϕ ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
16320	2 x 0,5	5,7	29,0	45,0	20	16333	21 G 0,5	12,5	189,0	250,0	20
16321	3 G 0,5	6,0	39,0	55,0	20	16334	24 G 0,5	12,9	236,0	300,0	20
16322	4 G 0,5	6,5	46,0	61,0	20	16335	25 G 0,5	13,5	250,0	314,0	20
16323	5 G 0,5	7,0	52,0	74,0	20	16336	30 G 0,5	14,0	297,0	360,0	20
16324	6 G 0,5	7,4	66,0	89,0	20	16337	32 G 0,5	14,6	301,0	425,0	20
16325	7 G 0,5	7,9	68,0	98,0	20	16165	34 G 0,5	15,3	312,0	433,0	20
16326	8 G 0,5	8,5	80,0	117,0	20	16338	36 G 0,5	15,3	320,0	446,0	20
16327	10 G 0,5	9,3	93,0	135,0	20	16339	40 G 0,5	16,4	345,0	475,0	20
16328	12 G 0,5	9,6	117,0	157,0	20	16490	41 G 0,5	16,4	355,0	486,0	20
16329	14 G 0,5	10,0	122,0	190,0	20	16340	50 G 0,5	18,1	407,0	573,0	20
16330	16 G 0,5	10,7	129,0	210,0	20	16341	61 G 0,5	19,8	580,0	653,0	20
16331	18 G 0,5	11,2	152,0	217,0	20	16342	80 G 0,5	21,9	690,0	784,0	20
16332	20 G 0,5	11,9	173,0	240,0	20	16343	100 G 0,5	24,3	814,0	995,0	20

Dimensions and specifications may be changed without prior notice.

Continuation ▶

F-CY-JZ flexible, Cu-screened, grey, EMC-preferred type, meter marking



Part No.	No.cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
16344	2 x 0,75	6,1	38,0	59,0	18
16345	3 G 0,75	6,4	50,0	66,0	18
16346	4 G 0,75	6,9	57,0	77,0	18
16347	5 G 0,75	7,4	70,0	93,0	18
16348	6 G 0,75	8,0	87,0	113,0	18
16349	7 G 0,75	8,6	96,0	130,0	18
16350	8 G 0,75	9,4	110,0	145,0	18
16351	10 G 0,75	10,2	140,0	180,0	18
16353	12 G 0,75	10,4	151,0	202,0	18
16354	14 G 0,75	11,1	167,0	225,0	18
16355	16 G 0,75	11,6	183,0	275,0	18
16356	18 G 0,75	12,4	207,0	292,0	18
16447	19 G 0,75	12,6	221,0	308,0	18
16357	20 G 0,75	12,9	238,0	320,0	18
16358	21 G 0,75	13,8	246,0	378,0	18
16359	24 G 0,75	14,5	270,0	435,0	18
16360	25 G 0,75	15,1	278,0	415,0	18
16361	27 G 0,75	15,0	287,0	435,0	18
16362	30 G 0,75	15,6	315,0	450,0	18
16363	32 G 0,75	16,1	330,0	484,0	18
16166	34 G 0,75	16,9	350,0	502,0	18
16364	36 G 0,75	16,9	370,0	535,0	18
16448	37 G 0,75	17,7	386,0	592,0	18
16365	40 G 0,75	18,3	395,0	610,0	18
16491	41 G 0,75	18,5	411,0	622,0	18
16366	50 G 0,75	20,0	480,0	777,0	18
16367	61 G 0,75	21,9	555,0	900,0	18
16368	80 G 0,75	24,3	715,0	1210,0	18
16369	100 G 0,75	26,8	910,0	1445,0	18
16370	2 x 1	6,4	46,0	65,0	17
16371	3 G 1	6,7	56,0	80,0	17
16372	4 G 1	7,3	69,0	98,0	17
16373	5 G 1	7,8	89,0	127,0	17
16374	6 G 1	8,5	105,0	144,0	17
16375	7 G 1	9,1	111,0	158,0	17
16376	8 G 1	9,9	130,0	197,0	17
16377	10 G 1	10,8	140,0	232,0	17
16378	12 G 1	11,2	168,0	260,0	17
16379	14 G 1	11,8	198,0	302,0	17
16380	16 G 1	12,5	218,0	346,0	17
16381	18 G 1	13,2	245,0	380,0	17
16352	19 G 1	13,5	260,0	412,0	17
16382	20 G 1	13,8	267,0	440,0	17
16383	24 G 1	15,5	320,0	493,0	17
16384	25 G 1	16,2	332,0	534,0	17
16439	27 G 1	16,2	360,0	562,0	17
16385	28 G 1	16,7	370,0	595,0	17
16386	30 G 1	16,7	375,0	616,0	17
16387	34 G 1	18,0	440,0	741,0	17
16446	37 G 1	18,8	485,0	790,0	17
16388	40 G 1	19,4	510,0	835,0	17
16492	41 G 1	19,4	521,0	843,0	17
16389	50 G 1	21,4	625,0	1025,0	17
16390	61 G 1	23,4	710,0	1205,0	17
16391	80 G 1	26,0	940,0	1445,0	17
16392	100 G 1	28,8	1180,0	1613,0	17

Part No.	No.cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
16393	2 x 1,5	7,0	63,0	88,0	16
16394	3 G 1,5	7,4	76,0	100,0	16
16395	4 G 1,5	8,1	98,0	126,0	16
16396	5 G 1,5	8,9	116,0	160,0	16
16397	7 G 1,5	10,5	152,0	208,0	16
16398	8 G 1,5	11,2	172,0	244,0	16
16399	10 G 1,5	12,6	193,0	315,0	16
16400	12 G 1,5	12,8	222,0	338,0	16
16401	14 G 1,5	13,6	272,0	383,0	16
16402	16 G 1,5	14,3	285,0	424,0	16
16403	18 G 1,5	15,2	368,0	479,0	16
16449	19 G 1,5	15,8	390,0	508,0	16
16404	20 G 1,5	15,9	407,0	545,0	16
16405	21 G 1,5	17,0	424,0	560,0	16
16406	24 G 1,5	17,9	448,0	690,0	16
16407	25 G 1,5	18,5	500,0	705,0	16
16450	27 G 1,5	18,5	513,0	774,0	16
16408	28 G 1,5	19,0	525,0	810,0	16
16409	30 G 1,5	19,0	555,0	830,0	16
16410	35 G 1,5	20,8	645,0	890,0	16
16451	37 G 1,5	21,2	693,0	945,0	16
16411	40 G 1,5	22,5	725,0	1060,0	16
16493	41 G 1,5	22,5	734,0	1071,0	16
16412	50 G 1,5	24,5	885,0	1290,0	16
16413	61 G 1,5	27,0	1120,0	1705,0	16
16414	80 G 1,5	30,0	1360,0	2010,0	16
16415	100 G 1,5	33,3	1690,0	2505,0	16
16416	2 x 2,5	8,3	96,0	130,0	14
16417	3 G 2,5	9,0	146,0	167,0	14
16418	4 G 2,5	9,8	174,0	195,0	14
16419	5 G 2,5	10,9	200,0	223,0	14
16420	7 G 2,5	12,9	235,0	344,0	14
16421	10 G 2,5	15,8	335,0	460,0	14
16438	12 G 2,5	15,9	441,0	570,0	14
16452	18 G 2,5	18,9	570,0	681,0	14
16422	2 x 4	9,8	135,0	185,0	12
16423	3 G 4	10,6	178,0	240,0	12
16424	4 G 4	11,5	240,0	310,0	12
16425	5 G 4	12,7	328,0	385,0	12
16426	7 G 4	14,0	355,0	500,0	12
16427	2 x 6	11,5	175,0	268,0	10
16428	3 G 6	12,4	240,0	330,0	10
16429	4 G 6	13,8	335,0	415,0	10
16430	5 G 6	15,7	441,0	509,0	10
16431	7 G 6	16,6	505,0	672,0	10
16432	2 x 10	14,9	265,0	425,0	8
16433	3 G 10	15,9	370,0	500,0	8
16434	4 G 10	17,8	485,0	783,0	8
16435	5 G 10	19,6	714,0	856,0	8
16436	7 G 10	21,6	820,0	1305,0	8
16440	4 G 16	20,8	809,0	880,0	6
16437	5 G 16	22,9	1050,0	1295,0	6
16441	4 G 25	26,2	1165,0	1570,0	4
16442	5 G 25	29,4	1440,0	1965,0	4
16443	4 G 35	30,4	1576,0	2070,0	2
16444	5 G 35	33,8	1930,0	2690,0	2
16445	4 G 50	34,6	2155,0	3015,0	1

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Process control for a large cabling machine at our Windsbach factory.

